

CLAIMS

1. A portable telephone that receives a first voice signal which is significant for communication of intentions between callers and a second voice signal other than the first voice signal together with a determination signal for determining whether said first voice signal is present or not, and converts said voice signals that have been received into a sound for output, wherein a battery that supplies electric power to its own circuits is mounted on said portable telephone, said portable telephone including:

a receiving circuit receiving said signals;
a voice signal sensing circuit connected to said receiving circuit sensing whether said first voice signal is present or not on the basis of said determination signal;

a remaining amount sensing circuit sensing a remaining amount of said battery; and

an output circuit connected to said receiving circuit, said voice signal sensing circuit, and said remaining amount sensing circuit converting said voice signals into a sound for output on the basis of a result of sensing by said voice signal sensing circuit and a result of sensing by said remaining amount sensing circuit.

2. The portable telephone according to claim 1, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said portable telephone further includes a sending circuit connected to said receiving circuit and said output circuit sending said second voice signal that has been received at said time interval to said output circuit for said time interval.

3. The portable telephone according to claim 1, wherein said output circuit includes a circuit stopping an output of said second voice signal in a case in which said first voice signal is not sensed by said voice signal sensing circuit and in which the remaining amount of said battery sensed by said remaining amount sensing circuit is less than or equal to a

predetermined value, and starting the output of said second voice signal in at least one of a case in which said first voice signal has been sensed and a case in which the remaining amount of said battery is more than or equal to the predetermined value.

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4. The portable telephone according to claim 3, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said portable telephone further includes a sending circuit connected to said receiving circuit and said output circuit sending said second voice signal that has been received at said time interval to said output circuit for said time interval.

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5. The portable telephone according to claim 1, wherein said portable telephone further includes a control circuit controlling an operation of said output circuit on the basis of a result of sensing by said voice signal sensing circuit and a result of sensing by said remaining amount sensing circuit.

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6. The portable telephone according to claim 5, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said portable telephone further includes a sending circuit connected to said receiving circuit and said output circuit sending said second voice signal that has been received at said time interval to said output circuit for said time interval.

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7. The portable telephone according to claim 5, wherein said control circuit includes a circuit stopping the operation of said output circuit in a case in which said first voice signal is not sensed by the voice signal sensing circuit and in which the remaining amount of said battery sensed by said remaining amount sensing circuit is less than or equal to a predetermined value, and starting the operation of said output circuit in at least one of a case in which said first voice signal has been sensed and a case in which the remaining amount of said battery is more than or equal

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to the predetermined value.

8. A portable telephone that receives a first voice signal which is significant for communication of intentions between callers and a second voice signal other than said first voice signal together with a determination signal for determining whether said first voice signal is present or not, and converts said voice signals that have been received into a sound for output, wherein a battery that supplies electric power to its own circuits is mounted on said portable telephone, said portable telephone including:

receiving means for receiving said signals;
voice signal sensing means connected to said receiving means for sensing whether said first voice signal is present or not on the basis of said determination signal;
remaining amount sensing means for sensing a remaining amount of said battery; and
output means connected to said receiving means, said voice signal sensing means, and said remaining amount sensing means for converting said voice signals into sound for output on the basis of a result of sensing by said voice signal sensing means and a result of sensing by said remaining amount sensing means.

9. The portable telephone according to claim 8, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said portable telephone further includes sending means connected to said receiving means and said output means for sending said second voice signal that has been received at said time interval to said output means for said time interval.

10. The portable telephone according to claim 8, wherein said output means includes means for stopping an output of said second voice signal in a case in which said first voice signal is not sensed by said voice signal sensing means and in which the remaining amount of said battery sensed by said remaining amount sensing means is less than or equal to a

predetermined value, and for starting the output of said second voice signal in at least one of a case in which said first voice signal has been sensed and a case in which the remaining amount of said battery is more than or equal to the predetermined value.

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11. The portable telephone according to claim 10, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said portable telephone further includes sending means connected to said receiving means and said output means for sending said second voice signal that has been received at said time interval to said output means for said time interval.

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12. The portable telephone according to claim 8, wherein said portable telephone further includes control means for controlling an operation of said output means on the basis of a result of sensing by said voice signal sensing means and a result of sensing by said remaining amount sensing means.

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13. The portable telephone according to claim 12, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said portable telephone further includes sending means connected to said receiving means and said output means for sending said second voice signal that has been received at said time interval to said output means for said time interval.

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14. The portable telephone according to claim 12, wherein said control means includes means for stopping the operation of said output means in a case in which said first voice signal is not sensed by the voice signal sensing means and in which the remaining amount of said battery sensed by said remaining amount sensing means is less than or equal to a predetermined value, and for starting the operation of said output means in at least one of a case in which said first voice signal has been sensed and a case in which the remaining amount of said battery is more than or equal

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to the predetermined value.

15. A method of controlling voice output in a portable telephone that receives a first voice signal which is significant for communication of intentions between callers and a second voice signal other than said first voice signal together with a determination signal for determining whether said first voice signal is present or not, and converts said voice signals that have been received into a sound for output, wherein a battery that supplies electric power to its own circuits is mounted on said portable telephone, said method of controlling the voice output of the portable telephone including the steps of:

- receiving said signals;
- sensing whether said first voice signal is present or not;
- sensing a remaining amount of said battery; and
- converting said voice signals into sound for output on the basis of a result of sensing in said step of sensing said voice signal and a result of sensing in said step of sensing said remaining amount.

16. The method of controlling voice output of a portable telephone according to claim 15, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said method of controlling voice output further includes a step of generating a second voice signal at said time interval on the basis of said second voice signal that has been received at said time interval.

17. The method of controlling voice output of a portable telephone according to claim 15, wherein said step of converting said voice signals includes a step of stopping an output of said second voice signal in a case in which said first voice signal is not sensed by said step of sensing said voice signal and in which the remaining amount of said battery sensed by said step of sensing said remaining amount is less than or equal to a predetermined value, and starting the output of said second voice signal in at least one of a case in which said first voice signal has been sensed and a

case in which the remaining amount of said battery is more than or equal to the predetermined value.

5 18. The method of controlling voice output of a portable telephone according to claim 17, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said method of controlling voice output further includes a step of generating a second voice signal for said time interval on the basis of said second voice signal that has been received at said time interval.

10 19. The method of controlling voice output of a portable telephone according to claim 15, wherein said method of controlling voice output further includes a step of controlling said step of converting said voice signals to be executed on the basis of a result of sensing by said step of sensing said voice signal and a result of sensing by said step of sensing said remaining amount.

20 20. The method of controlling voice output of a portable telephone according to claim 19, wherein said second voice signal is a signal that is transmitted at a predetermined time interval when said first voice signal is absent, and said method of controlling voice output further includes a step of generating a second voice signal for said time interval on the basis of said second voice signal that has been received at said time interval.

25 21. The portable telephone according to claim 19, wherein said step of controlling said step of converting said voice signals includes a step of suppressing said step of converting said voice signals to be executed in a case in which said first voice signal is not sensed by said step of sensing said voice signals and in which the remaining amount of said battery sensed by said step of sensing said remaining amount is less than or equal to a predetermined value, and allowing said step of converting said voice signals to be executed in at least one of a case in which said first voice signal has been sensed and a case in which the remaining amount of said battery is more than or equal to the predetermined value.